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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (Previously Presented) A method of controlling communications in a wireless 2 network comprising: 3 receiving, in a wireless network controller, an indicator in a message sent over an 4 air link by a mobile station to establish a data transfer session in the wireless network; and 5 selecting one of plural types of protocol stacks in the wireless network controller 6 to use for communications over the air link between the wireless network controller and mobile 7 station based on the indicator. 1 2. (Previously Presented) A method of controlling communications in a wireless 2 network comprising: 3 receiving, in a wireless network controller, an indicator in a message sent over an 4 air link by a mobile station to establish a data transfer session in the wireless network; and 5 selecting one of plural types of protocol stacks in the wireless network controller 6 to use for communications over the air link between the wireless network controller and mobile 7 station based on the indicator, 8 wherein selecting one of plural types of protocol stacks comprises selecting from 9 protocol stacks comprising a GERAN protocol stack.
- 3. (Original) The method of claim 2, wherein selecting one of plural types of 2 protocol stacks comprises selecting from plural stacks comprising the GERAN protocol stack and an EGPRS protocol stack.
- 1 4. (Original) The method of claim 1, wherein selecting one of plural types of 2 protocol stacks comprises selecting from protocol stacks comprising an EGPRS protocol stack.

1	5.	(Previously Presented) A method of controlling communications in a wireless	
2	network com	prising:	
3		receiving, in a wireless network controller, an indicator in a message sent by a	
4	mobile statio	n to establish a data transfer session in the wireless network; and	
5		selecting one of plural types of protocol stacks to use for communications over an	
6	air link betwe	een the wireless network controller and mobile station based on the indicator,	
7		wherein receiving the indicator comprises receiving a Temporary Logical Link	
8	Identity structure having one of plural values.		
1	6.	(Original) The method of claim 5, wherein selecting one of plural types of	
2	protocol stacks comprises selecting a first protocol stack if the Temporary Logical Link Identity		
3	structure has a first value.		
1	7.	(Original) The method of claim 6, wherein selecting one of plural types of	
2	protocol stacks further comprises selecting a second protocol stack if the Temporary Logical		
3	Link Identity	structure has a second value.	
1	8.	(Original) The method of claim 1, wherein selecting one of plural types of	
2	protocol stack	ks comprises selecting a first protocol stack if the indicator has a first value and	
3	selecting a second protocol stack if the indicator has a second value.		
1	9.	(Currently Amended) A method of controlling communications in a wireless	
2	network comprising:		
3		receiving, in a wireless network controller, an indicator in a message sent by a	
4	mobile station	n to establish a data transfer session in the wireless network; and	
5		selecting one of plural types of protocol stacks to use for communications over an	
6	air link between the wireless network controller and mobile station based on the indicator,		
7		wherein receiving the indicator comprises receiving a parameter used for	
8	contention re	solution by the wireless network controller for distinguishing between multiple	
9	mobile stations that are contending for a common resource.		

1	10.	(Original) The method of claim 9, further comprising performing contention		
2	resolution usi	resolution using the parameter.		
1	11.	(Original) The method of claim 9, wherein receiving the parameter comprises		
2	receiving a To	emporary Logical Link Identity.		
	10			
1	12.	(Original) The method of claim 9, wherein receiving the parameter comprises		
2	receiving a G	ERAN Contention Resolution Identity.		
1	13.	(Original) The method of claim 1, wherein receiving the indicator comprises		
2		of plural training sequences.		
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l	14.	(Previously Presented) A system comprising:		
2		an interface to an air link to communicate with mobile stations; and		
3		a controller adapted to perform contention resolution with a first type of mobile		
1	station using	a first type of indicator, the controller adapted to communicate signaling according		
5	to a first wire	less protocol with the first type of mobile station, and		
5		the controller adapted to perform contention resolution with a second type of		
7	mobile station	using a second type of indicator, the controller adapted to communicate signaling		
3	according to a	a second wireless protocol with the second type of mobile station.		
l	15.	(Original) The system of claim 14, wherein the first wireless protocol comprises		
2	a GERAN wi	reless protocol.		
l	16.	(Original) The system of claim 15, wherein the second wireless protocol		
2	comprises an	EGPRS wireless protocol.		
l	17.	(Original) The system of claim 14, wherein the first wireless protocol comprises		
2	an EGPRS wi	reless protocol.		

1	18.	(Original) The system of claim 14, wherein the first type of indicator comprises a		
2	Temporary Logical Link Identity (TLLI) structure having a first value, and the second type of			
3	indicator cor	indicator comprises a TLLI structure having a second value.		
1	19.	(Previously Presented) The system of claim 18, wherein the first value indicates		
2	one of a loca	l TLLI, a foreign TLLI, and a random TLLI, and the second value indicates one of a		
3	local GCRI and a random GCRI.			
1	20.	(Previously Presented) An article comprising at least one storage medium		
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3	Containing in	containing instructions that when executed cause a wireless access system to:		
4	establish a de	receive an indicator in a message sent by a mobile station over an air link to		
5	estaviisii a u	establish a data transfer session; and		
		select one of plural protocol stacks in the wireless access system to use for		
6	communicati	ons over the air link between the wireless access system and the mobile station.		
1	21.	(Original) The article of claim 20, wherein the instructions when executed cause		
2	the wireless access system to select one of plural protocol stacks by selecting a first protocol			
3	stack in response to the indicator having a first value and selecting a second protocol stack in			
4	response to the indicator having a second value.			
1	22.	(Previously Presented) An article comprising at least one storage medium		
2		structions that when executed cause a wireless access system to:		
3	containing in	receive an indicator in a message sent by a mobile station over an air link to		
4	ectablich a de	ata transfer session; and		
5	CStabilish a da	select one of plural protocol stacks in the wireless access system to use for		
6	aammuniaati			
	Communicati	ons over an air link between the wireless access system and the mobile station,		
7	c on	wherein the instructions when executed cause the wireless access system to select		
8	one of a GEI	RAN protocol stack and an EGPRS protocol stack.		

1	23.	(Original) The article of claim 20, wherein the instructions when executed cause		
2	the wireless	the wireless access system to receive the indicator by receiving a Temporary Logical Link		
3	Identity (TL)	Identity (TLLI) structure.		
1	24.	(Previously Presented) An article comprising at least one storage medium		
2	containing instructions that when executed cause a wireless access system to:			
3		perform contention resolution with a first type of mobile station using a first type		
4	of indicator;			
5		communicate signaling according to a first wireless protocol with the first type of		
6	mobile station;			
7		perform contention resolution with a second type of mobile station using a second		
8	type of indicator; and			
9		communicate signaling according to a second wireless protocol with the second		
10	type of mobile station.			
1	25.	(Original) The article of claim 24, wherein the instructions when executed cause		
2	the wireless access system to select one of plural types of protocol stacks based on which of the			
3	first and seco	and types of indicators is received.		
1	26.	(Previously Presented) The article of claim 24, wherein performing contention		
2	resolution with the first type of mobile station comprises performing contention resolution using			
3	the first type of indicator to distinguish between the first type mobile station and at least another			
4	mobile station, and			
5		wherein performing contention resolution with the second type of mobile station		
6	comprises performing contention resolution using the second type of indicator to distinguish			
7	between the second type of mobile station and another mobile station.			
1	27.	(Previously Presented) The method of claim 1, wherein selecting one of plural		
2	types of protocol stacks in the wireless network controller comprises selecting one of plural type			
3	of protocol stacks in one of a base station controller and radio network controller.			

Appln. Serial No. 09/943,871 Amendment Dated March 15, 2006 Reply to Office Action Mailed December 15, 2005

28. (Previously Presented) The system of claim 14, wherein the controller performs contention resolution with the first type of mobile station by distinguishing the first type of mobile station from another mobile station using the first type of indicator, and the controller performs contention resolution with the second type of mobile station by distinguishing the second type of mobile station from another mobile station using the second type of indicator.